



Connect the cables and set the DIP Switch

1. Connect the power cables between inverter and battery or the Busbar. The battery connector is (1) shown in figure1. See Figure 3 for detailed parameters of power cable.

2. Use customized communication cable whose pin sequence is **7A8B to 6A4B (Battery to Inverter)** as shown in Figure2.

Use RS485 protocol. Plug in the **7A8B** into the **RS485 port** of the Pytes battery and plug in the **6A4B** into **BMS Port (2)** as shown in Figure 1.

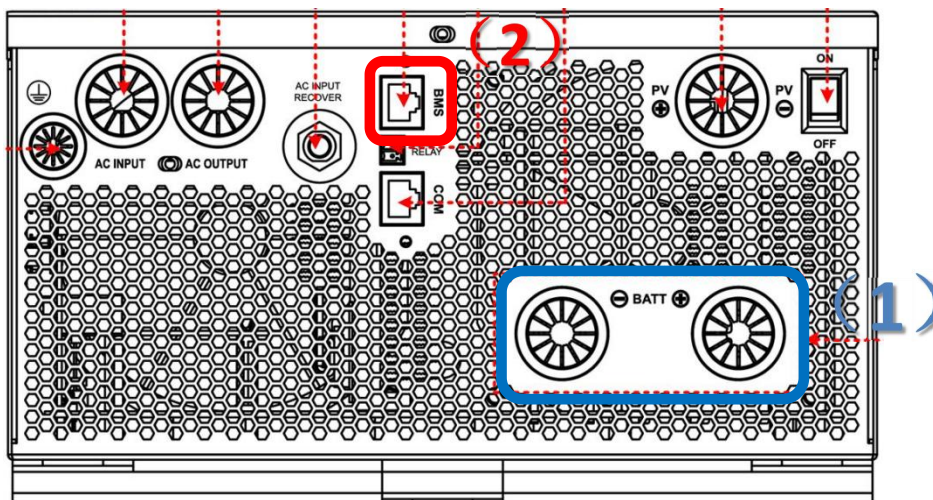


Figure1

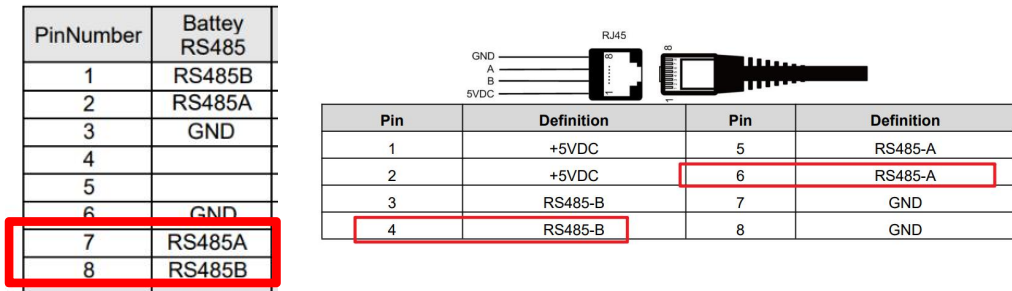


Figure 2

➤ **Recommended battery wire and breaker size**

Model	Battery wire size	Circuit breaker
HP3542-AH0650P20SA	20mm ² /4AWG	2P—125A
HP5542-AH1050P20SA	35 mm ² /2AWG	2P—200A

Figure 3

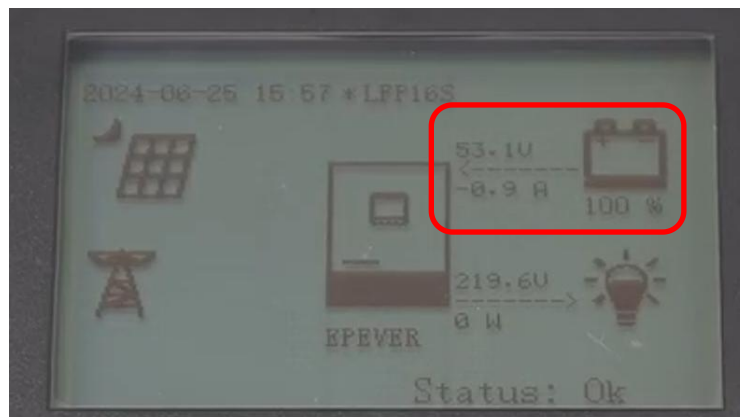
3. Set the Dip switch as shown in Figure 4. (down-down-down-down-down-up)



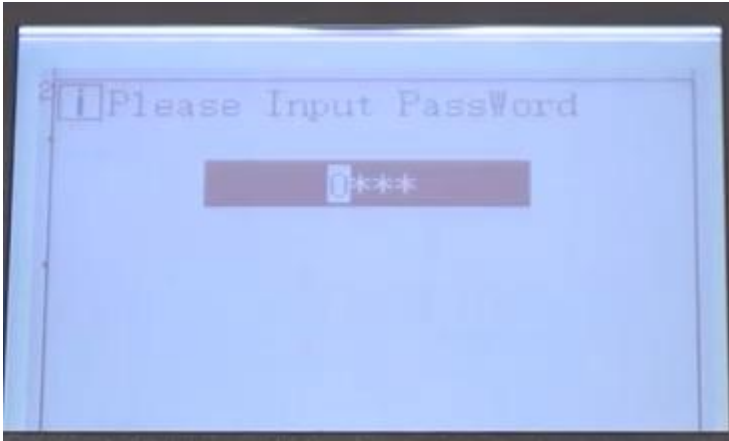
Figure 4

Program the inverter

Turn on the battery and the inverter. Check the SOC detail to make sure they can communicate.

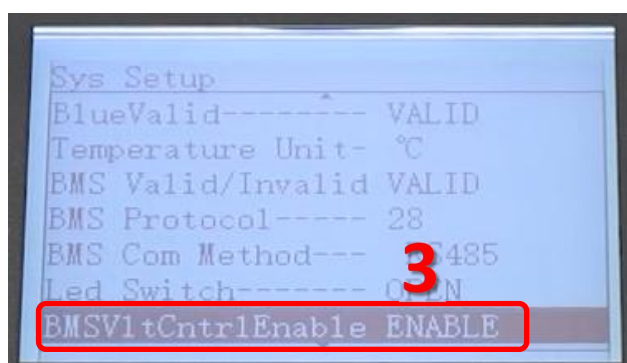
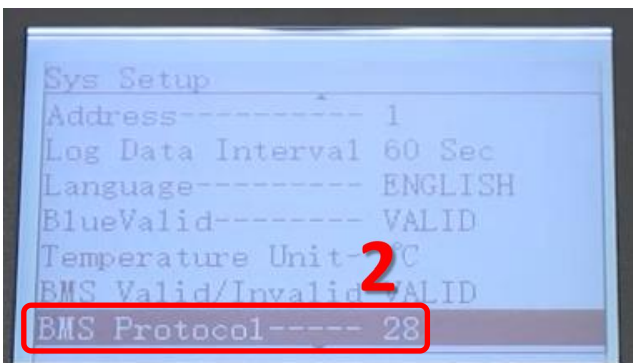
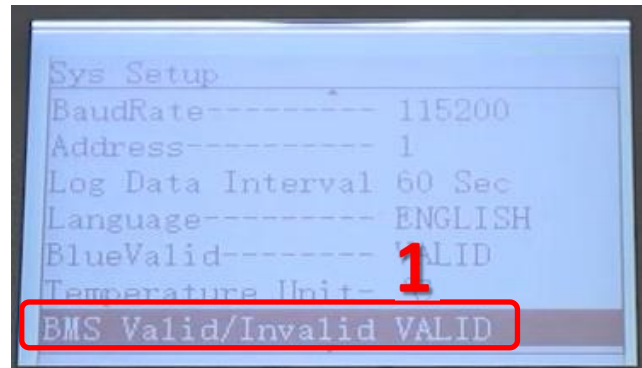
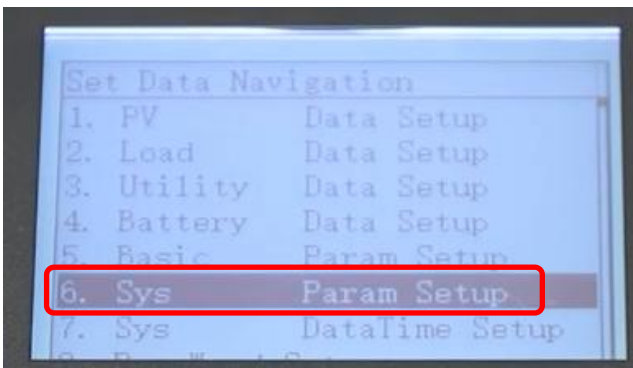
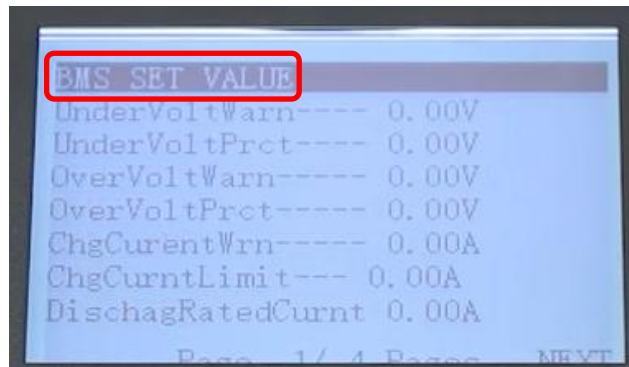
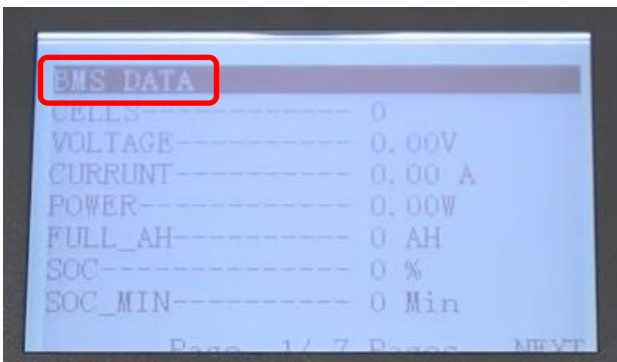


Long press enter. Then Input the password 0000.

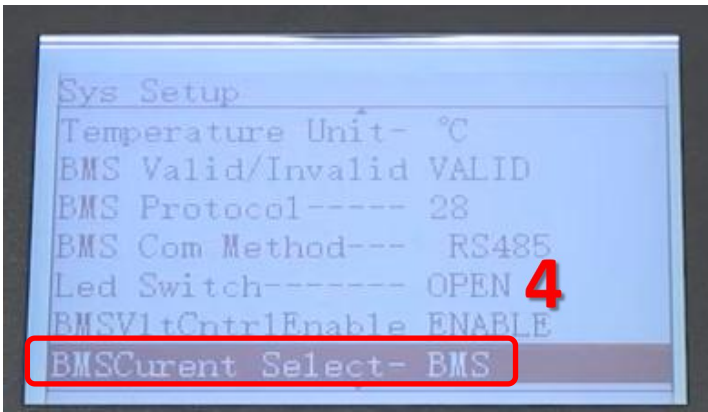


Go to BMS Data→BMS Set Value→6.Sys

1. Change the **BMS Valid/in Valid** to **Valid**.
2. Change the **BMS Protocol** to 28.
3. Change the **BMSV1tCtr1Enable** to **ENABLE**



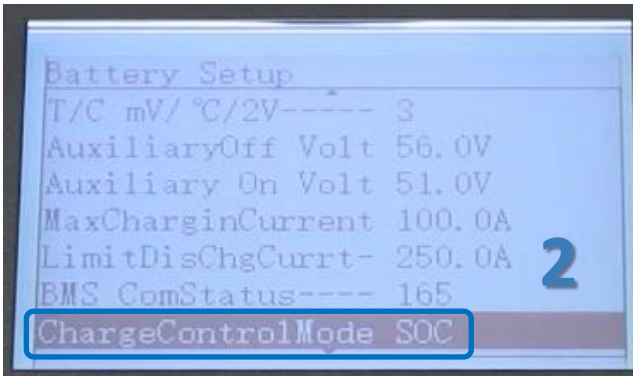
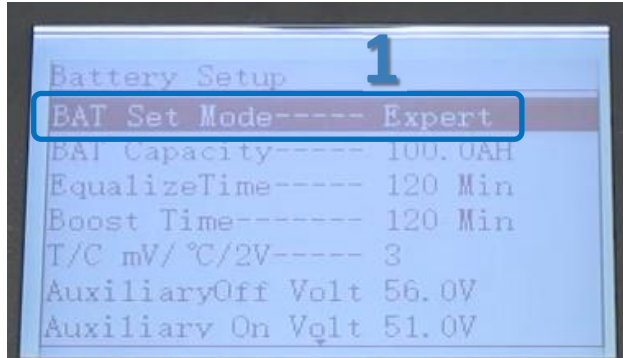
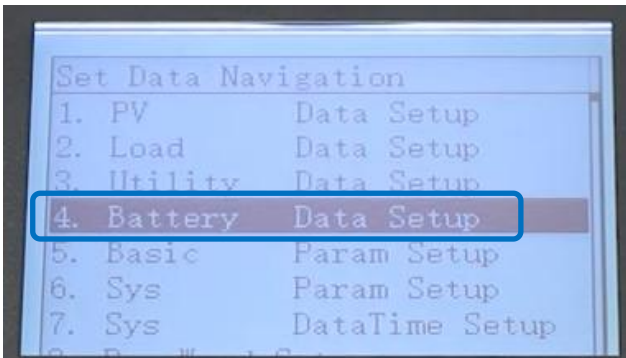
4. Change **BMSCurent Select** to **BMS**



ESC to go back.

Again Go to BMS Data→BMS Set Value→4 Battery

1. Change the **BAT Set Mode** to **Expert**.
2. Change the **ChargeControlMode** to **SOC**



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